

SET 1175 FOLDER 6
SEARS SILVERTONE MODELS 528.31203/204/206,
528.31253/254/256, 528.31303/304/305,
528.31504/506 (Series)

PHOTOFACT® Folder with **CIRCUITRACE®**

For Supplier Address See PHOTOFACT Index

**SEARS SILVERTONE MODELS 528.31203/204/206,
528.31253/254/256, 528.31303/304/305,
528.31504/506 (Series)**



MODEL 528.31506000

RECORD CHANGER SERVICING

ADJUSTMENTS

NEEDLE PRESSURE

ADJUST TONE ARM SETDOWN

Adjust screw B1 so the needle sets down in the center of the lead-in groove on a 12-inch record. Turning the screw clockwise moves the set-down point outward.

NEEDLE PRESSURE

Nominal pressure 3 1/2 grams. Adjust B3 to obtain correct needle pressure. Turning B3 clockwise decreases needle pressure.

TONE ARM HEIGHT

Adjust B2 so the top of the tone arm clears a 12-inch record on the center spindle shelf during the change cycle. Turning B2 clockwise increases the lift-up height.

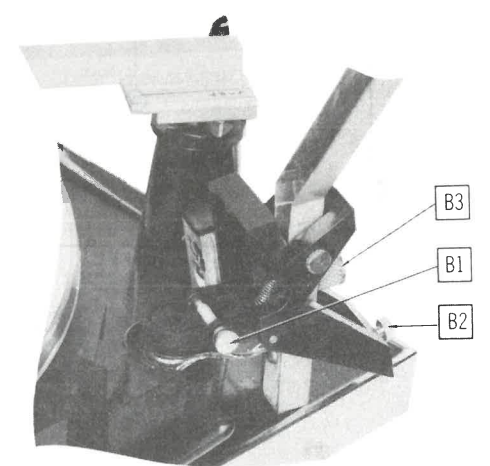
CLEANING

Use a cloth dampened with isopropyl alcohol to clean the driving surfaces of the idler wheel, motor shaft and inside rim of the turntable.

LUBRICATION

Apply light nonhardening grease to sliding cam surfaces and pivot points, light machine oil on the tone arm lift rod, idler wheel bearings, and motor bearings.

DO NOT lubricate turntable driving surface, the teeth on cycling gear or turntable hub.



REMEMBER TO ASK— "What else needs fixing?"

HOWARD W. SAMS & CO., INC. Indianapolis, Indiana 46206



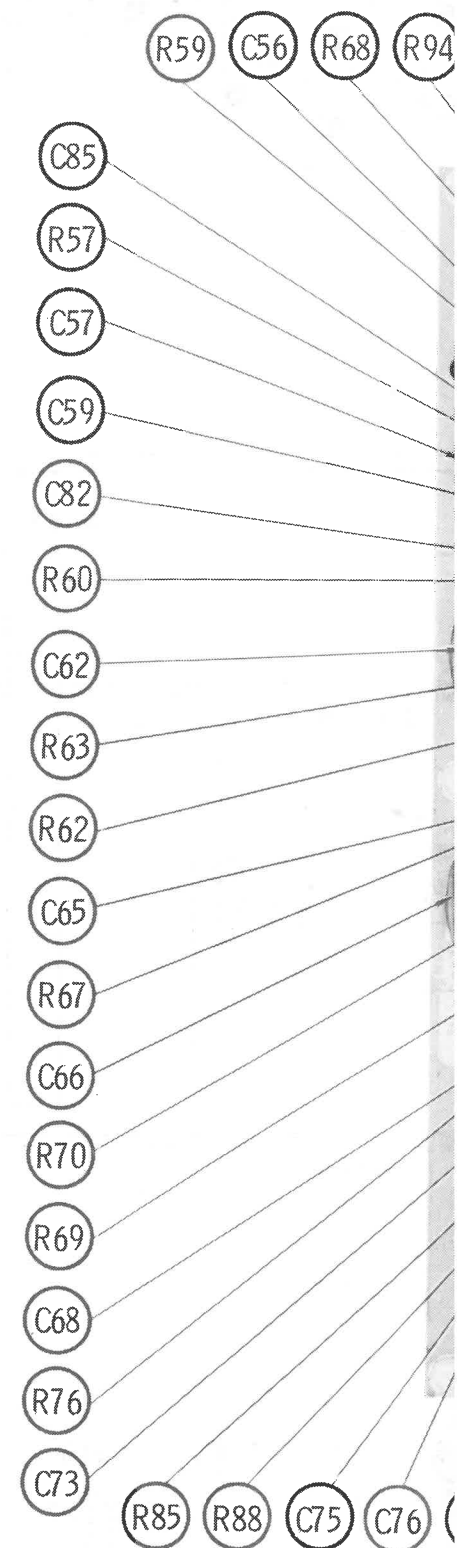
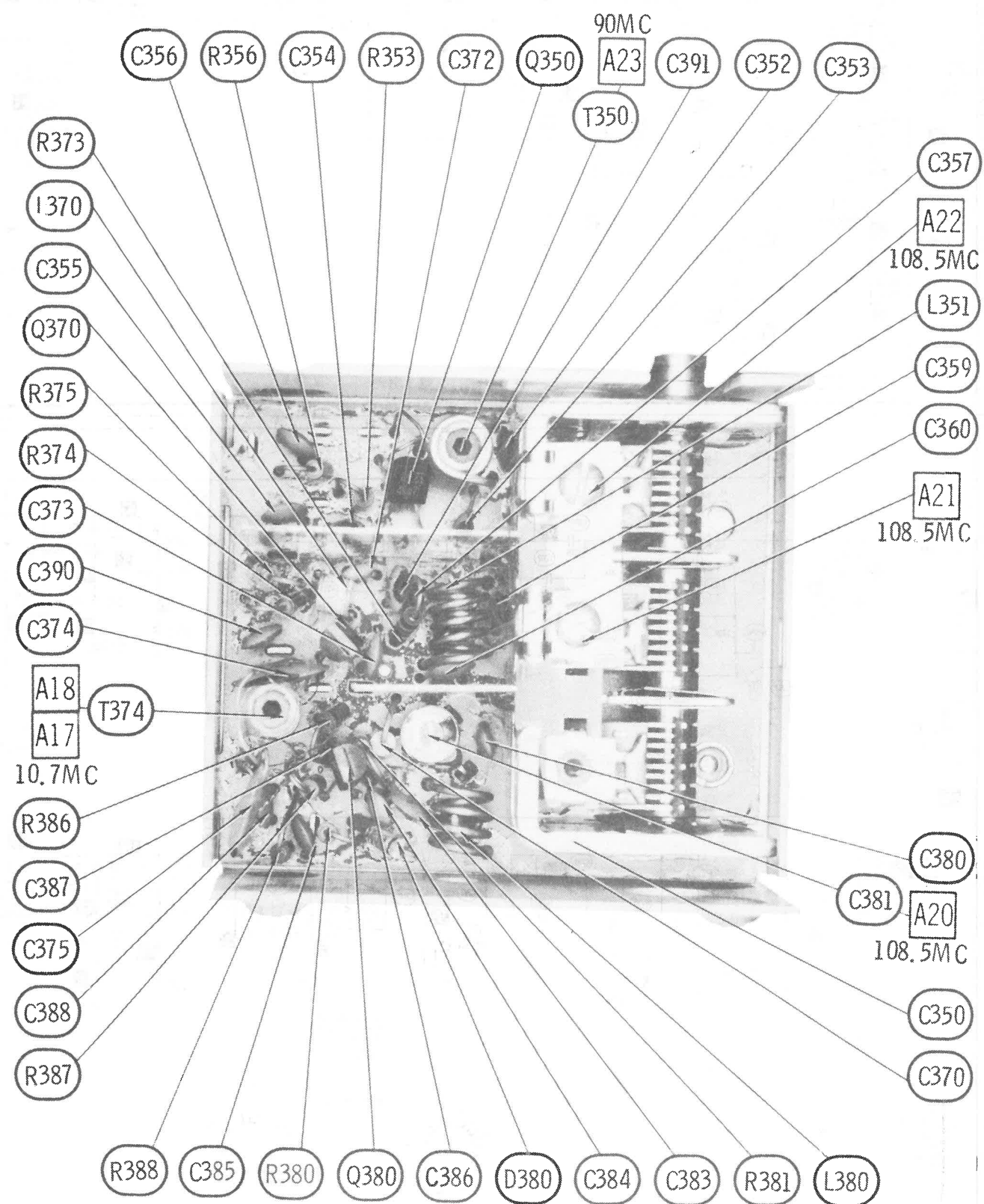
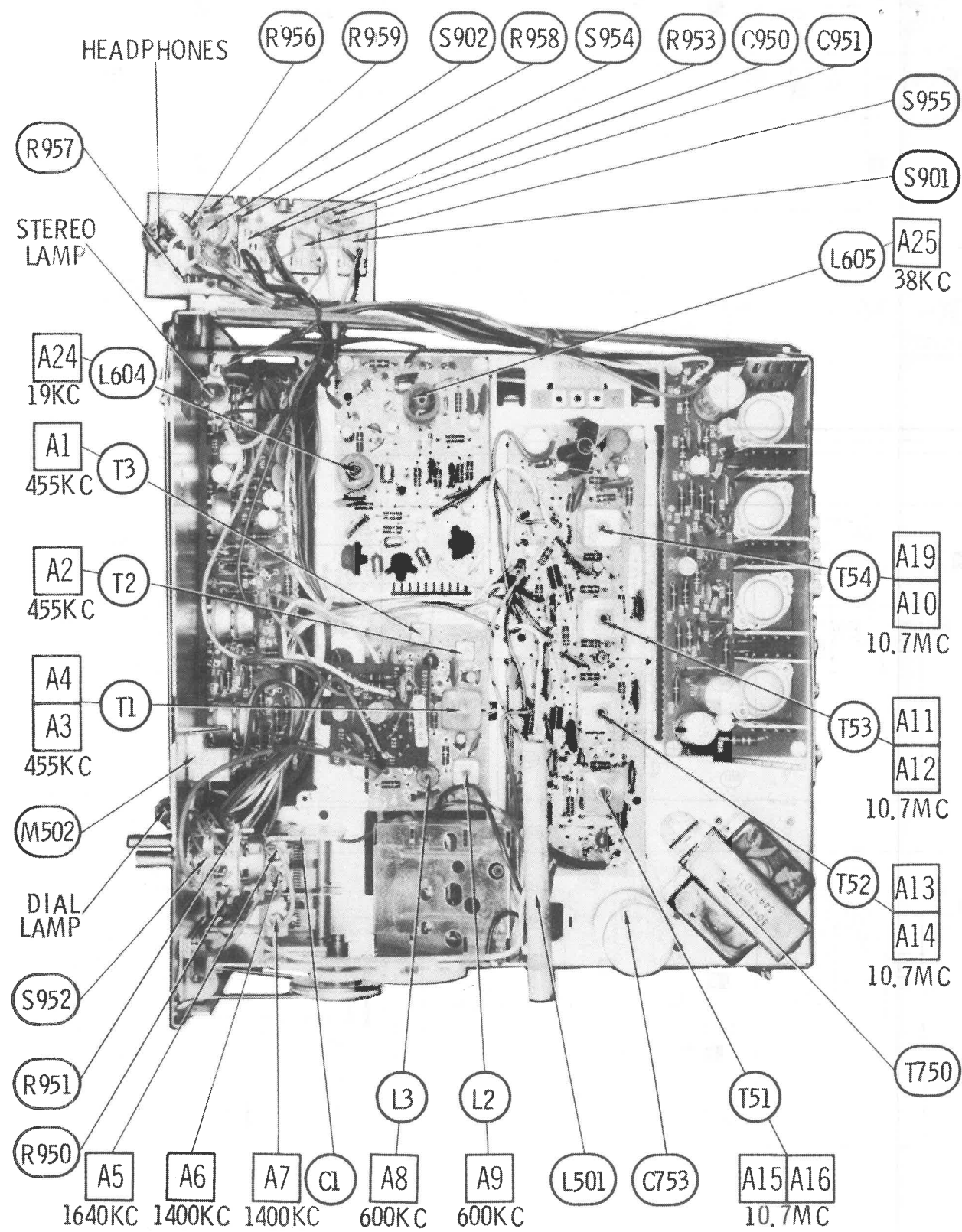
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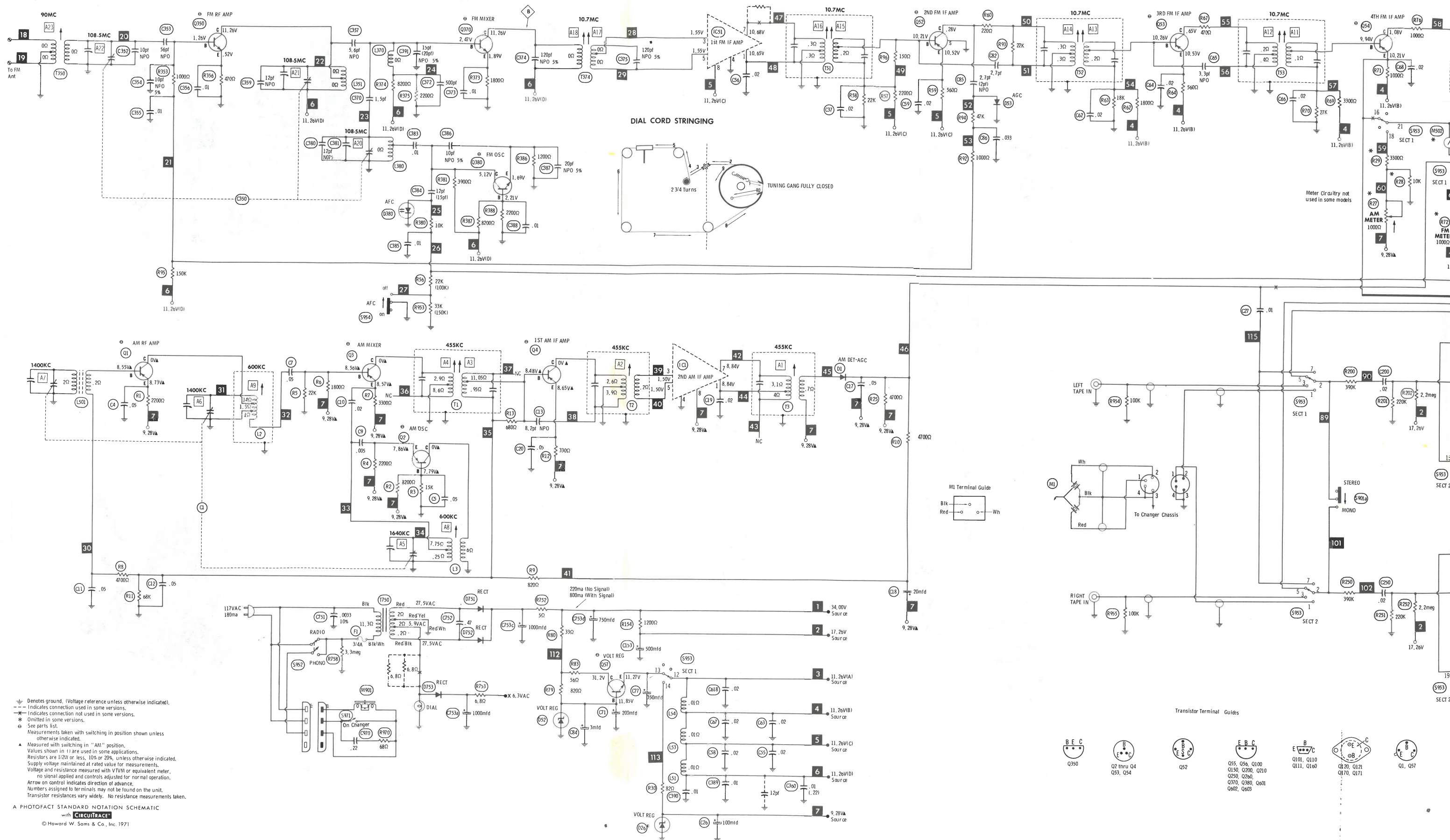
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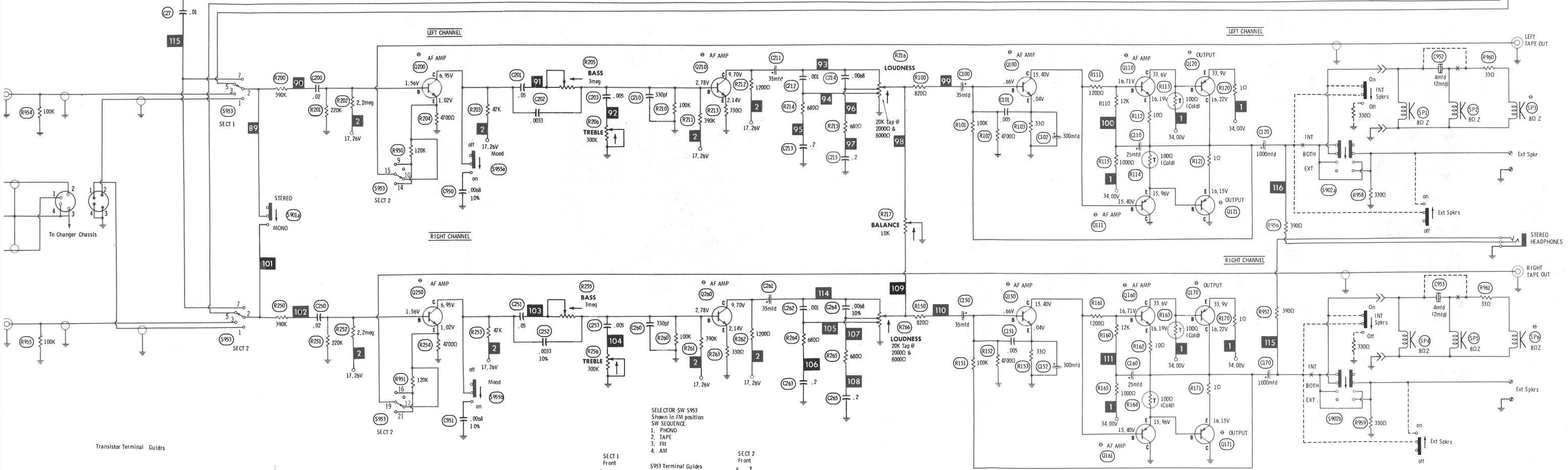
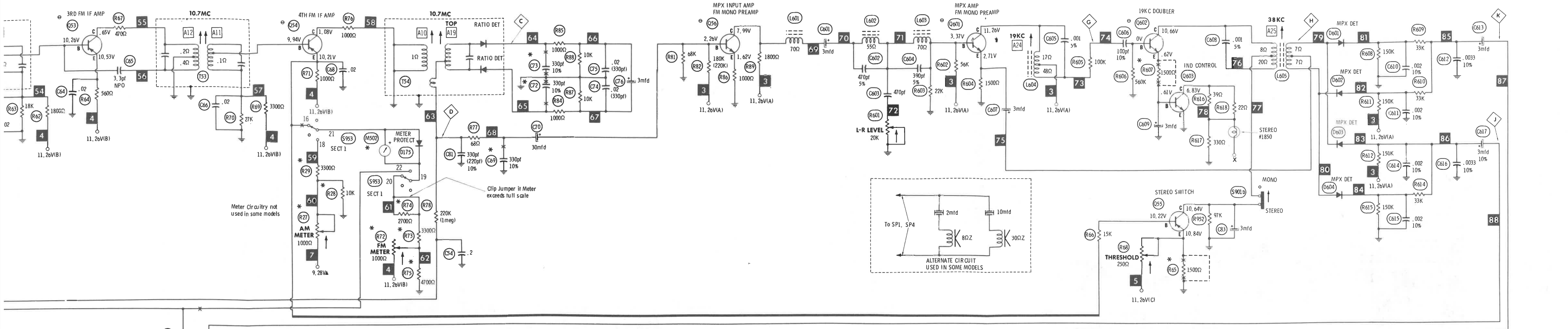
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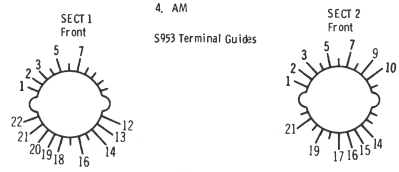
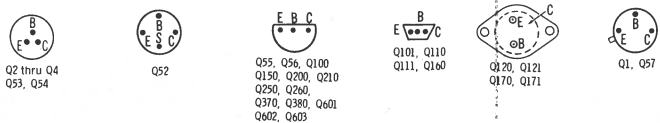
SET 1175 FOLDER 6



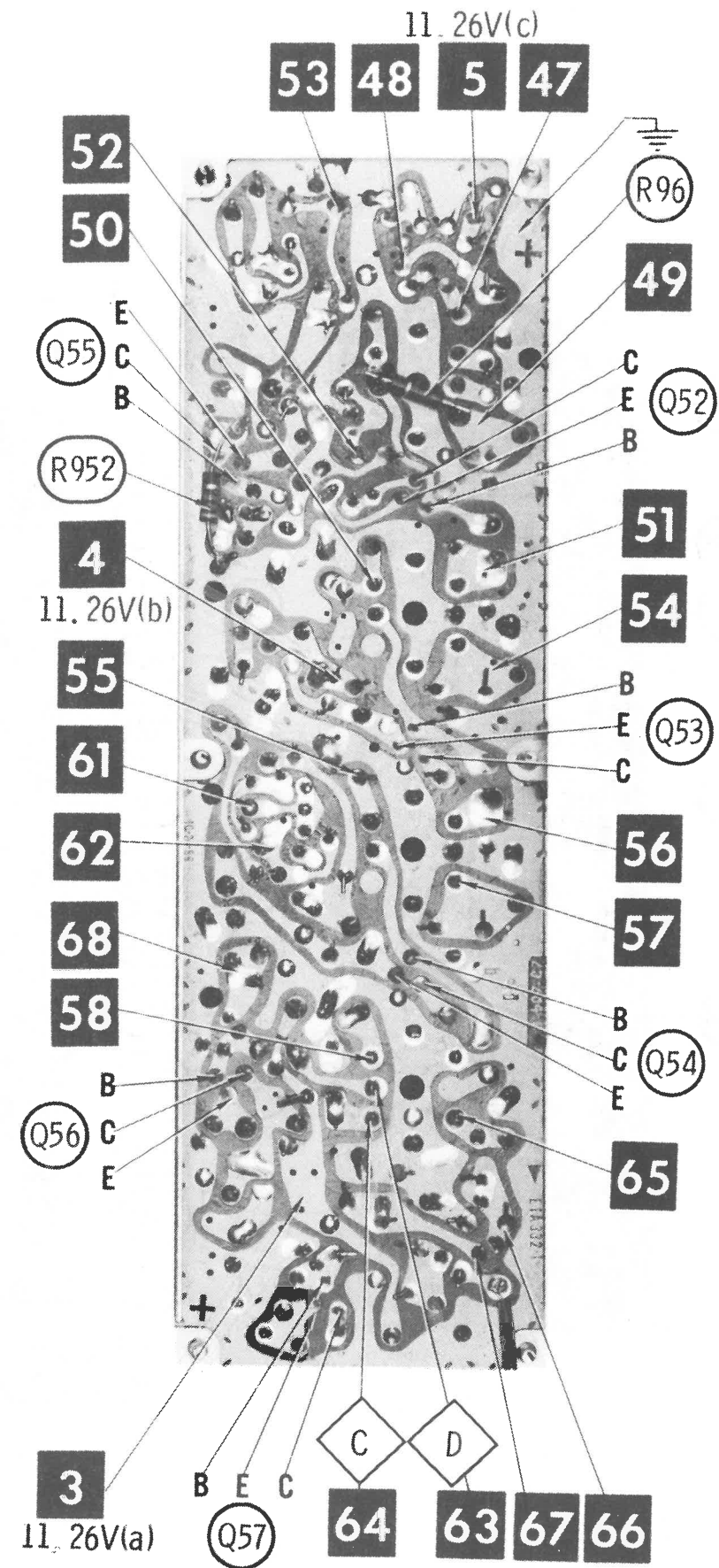
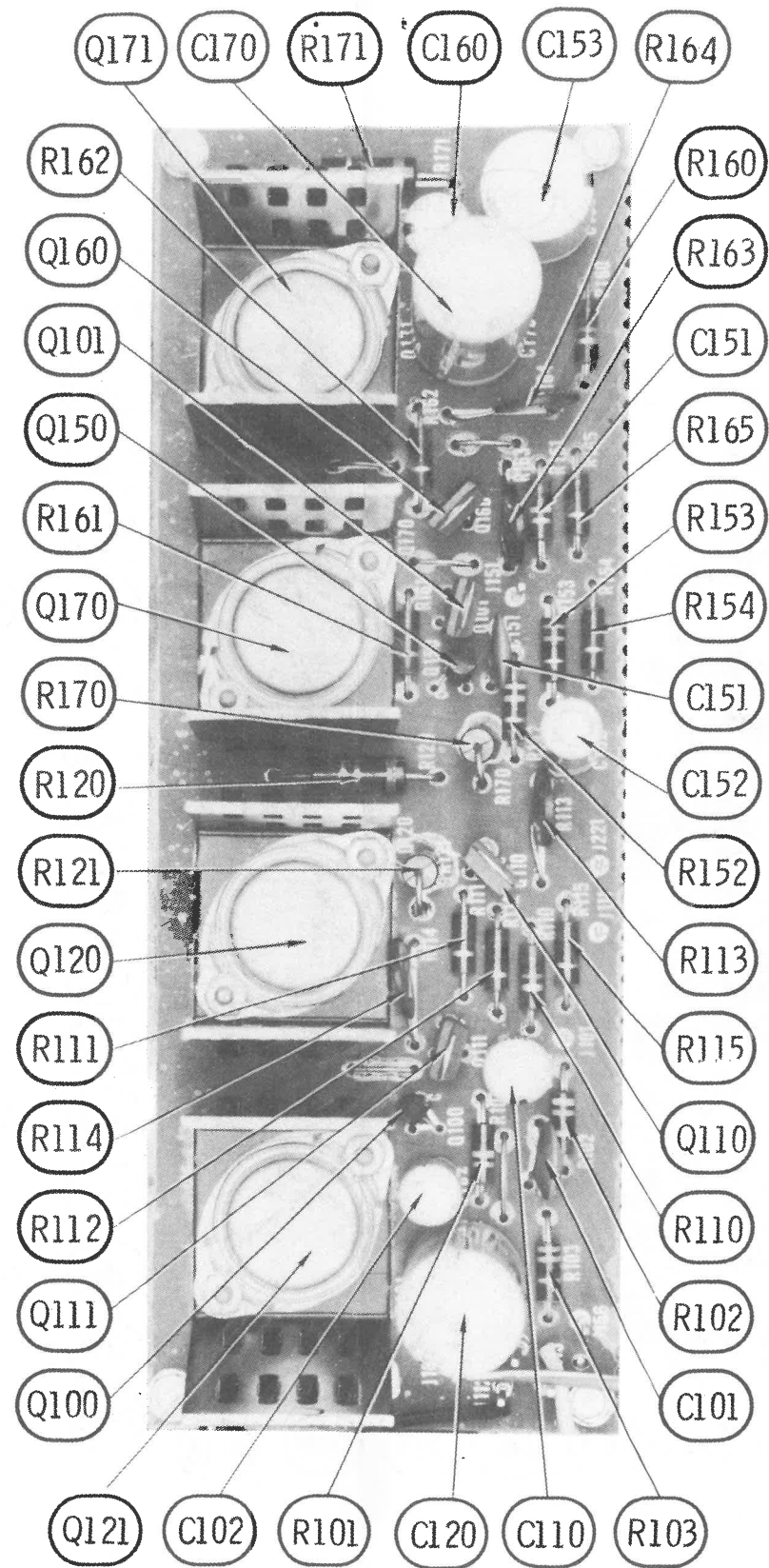
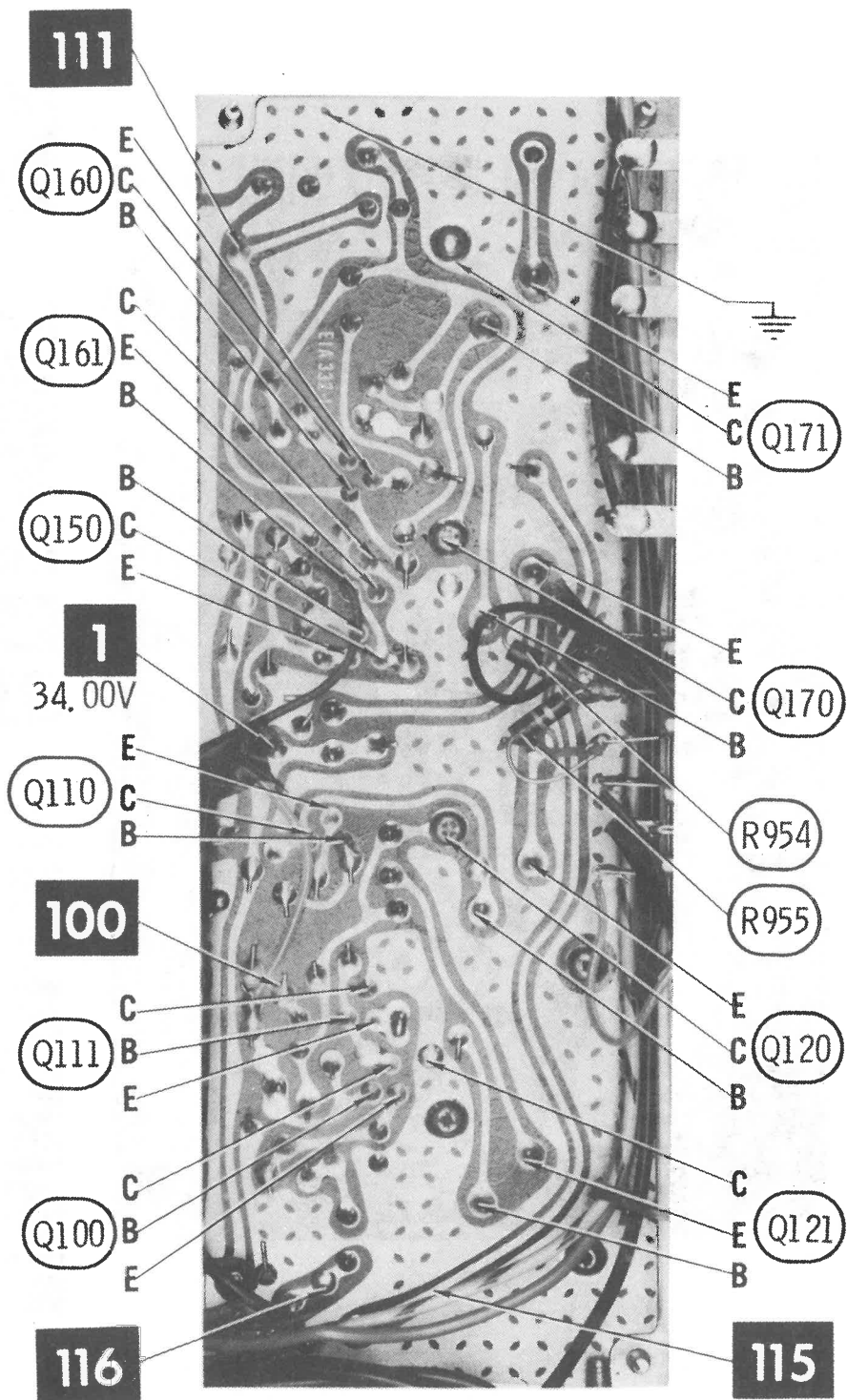


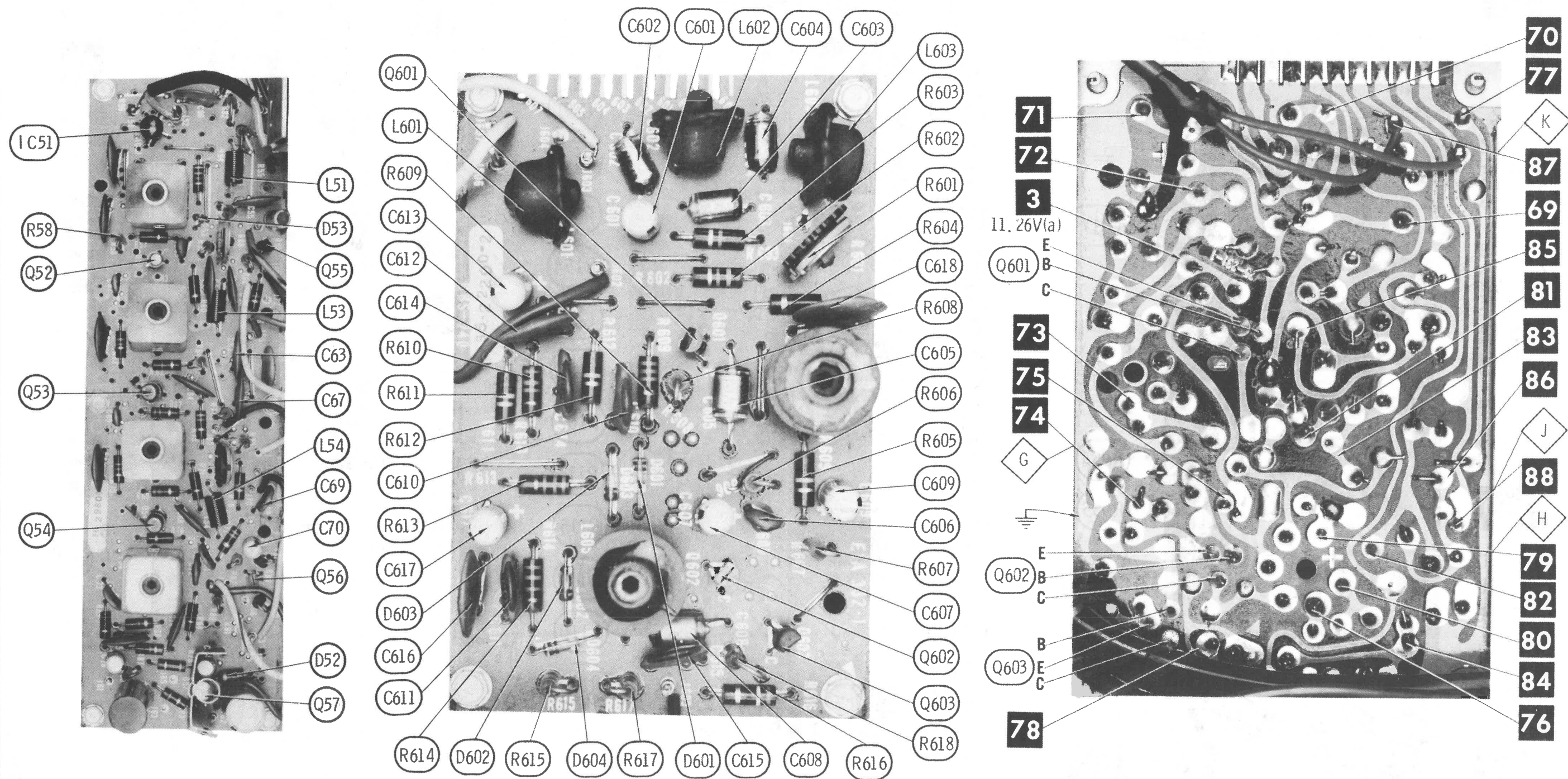


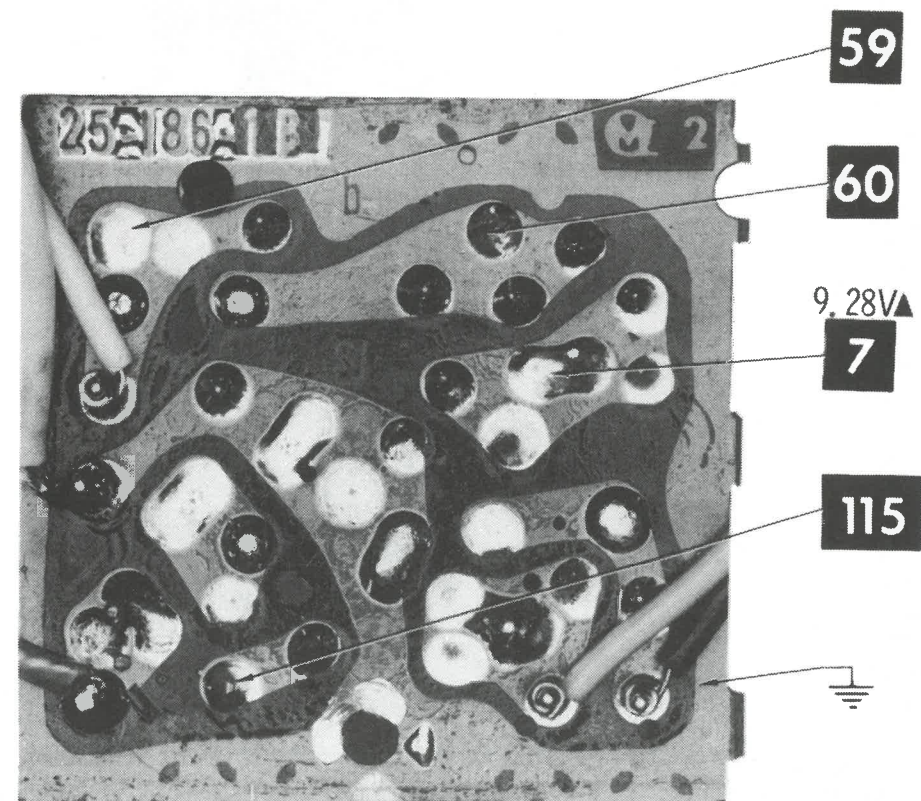
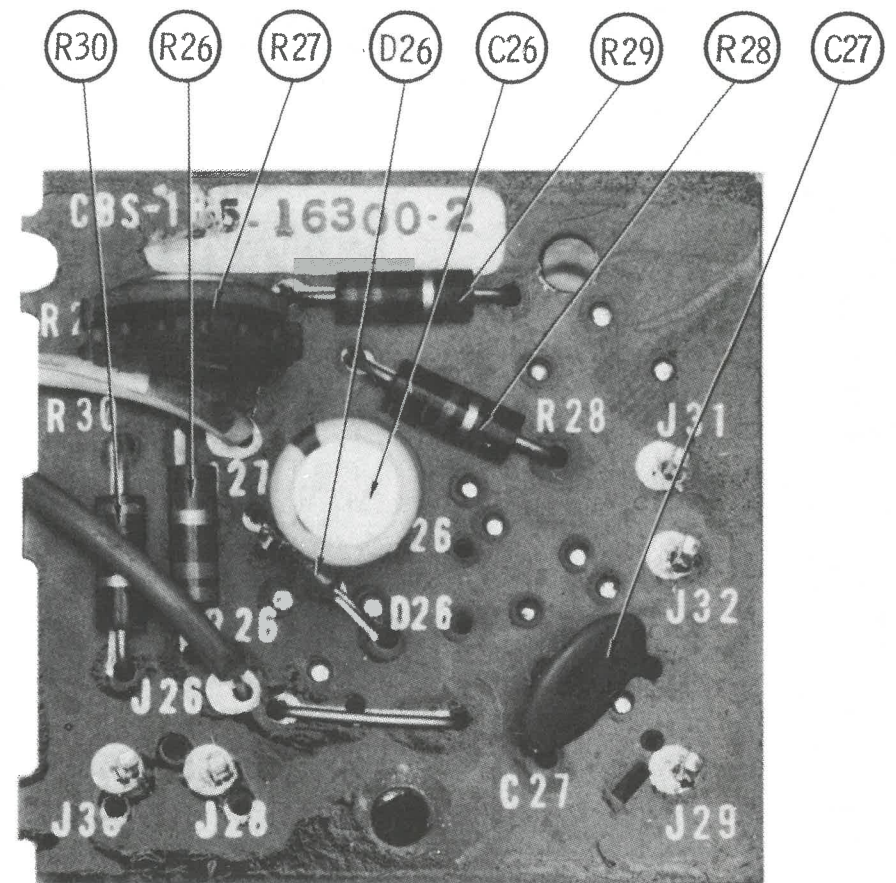
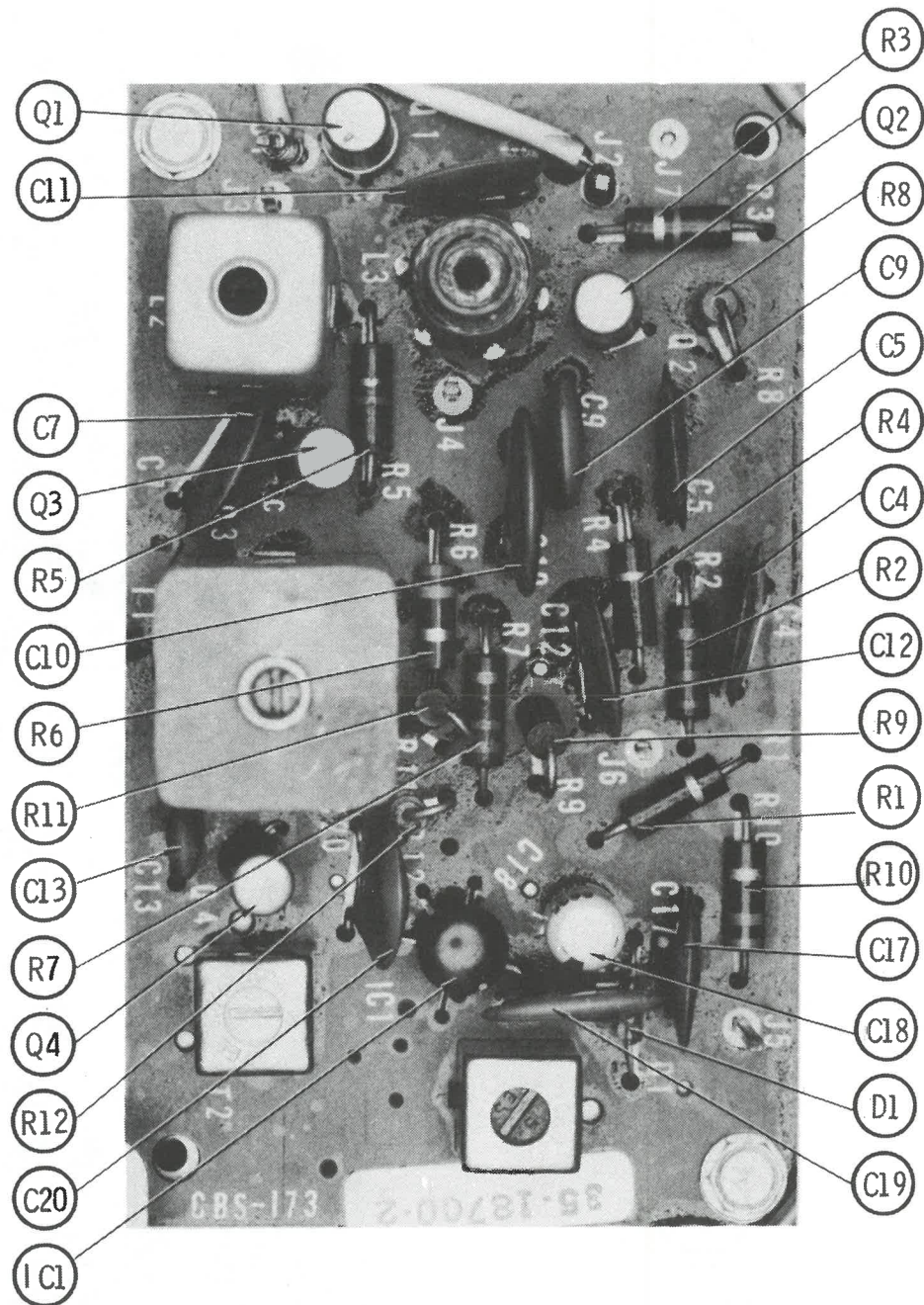
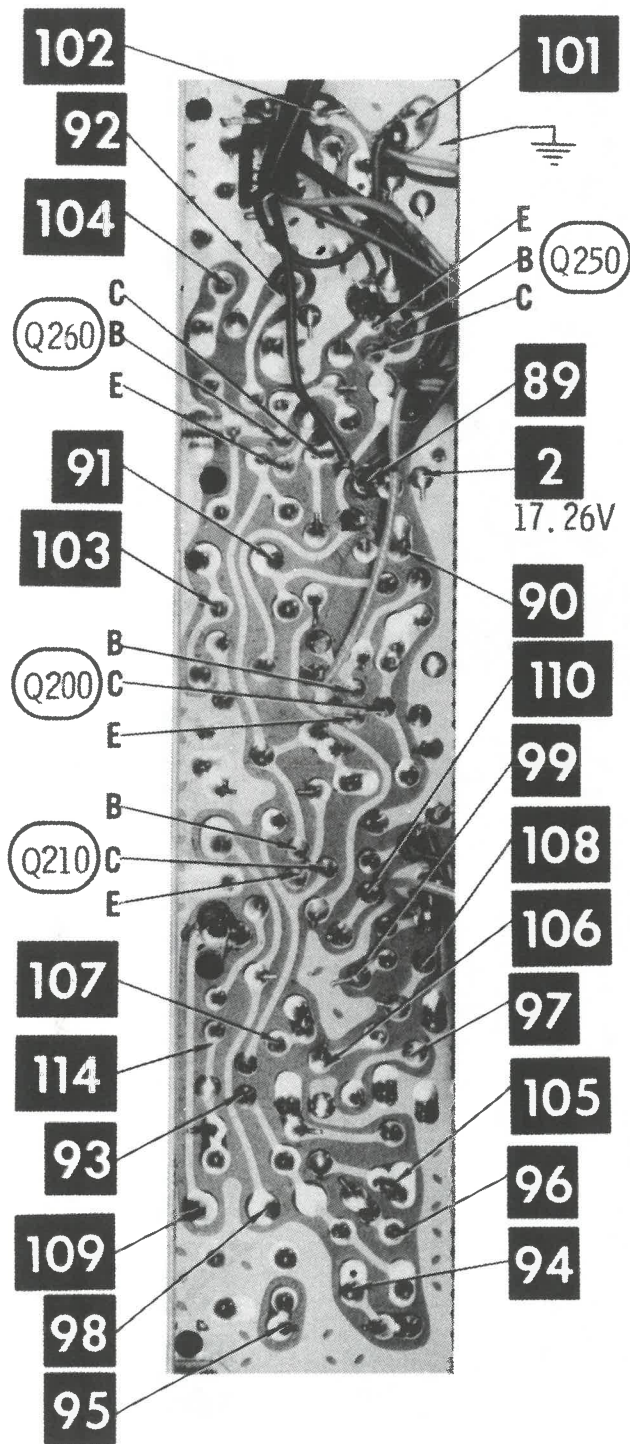
Transistor Terminal Guide

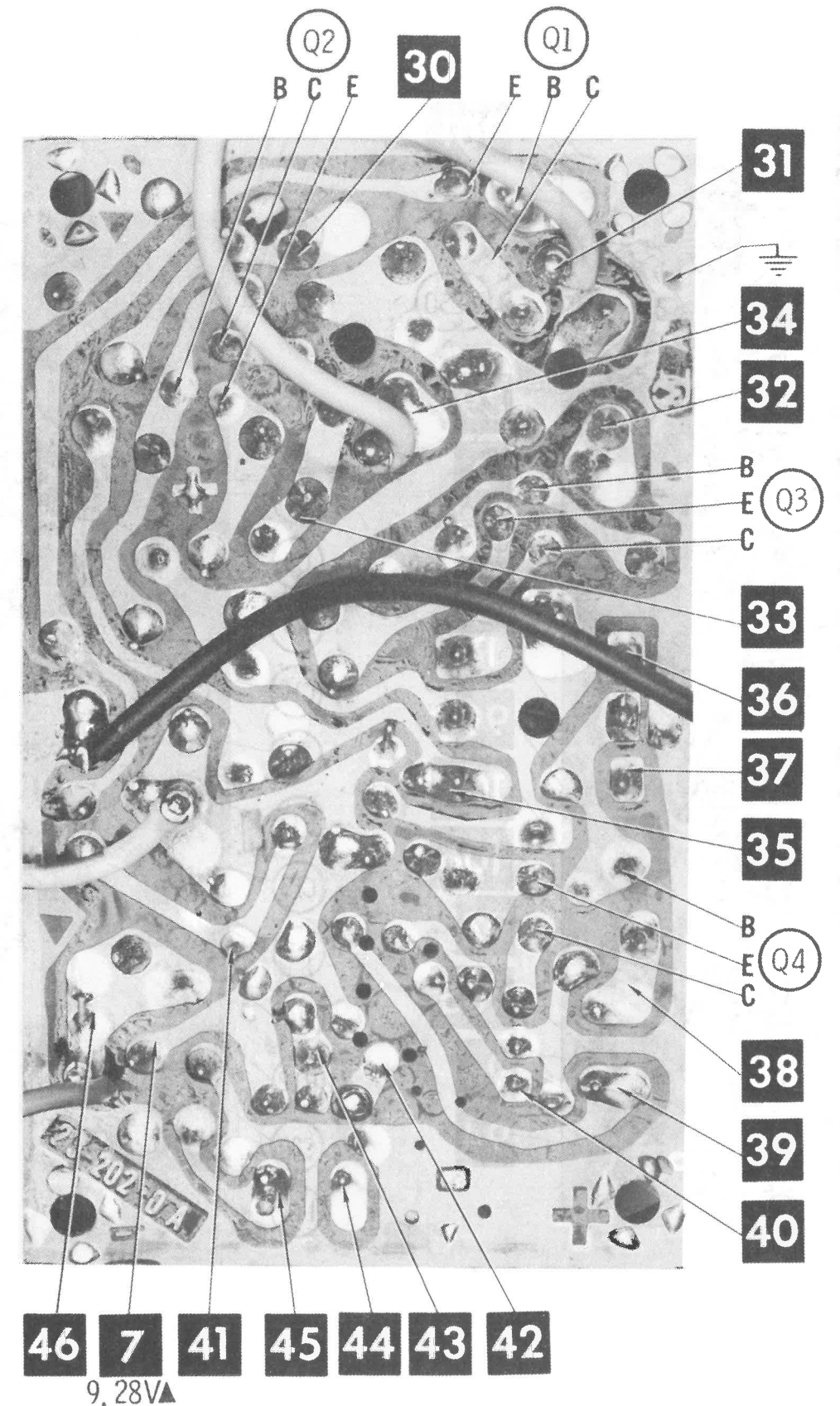
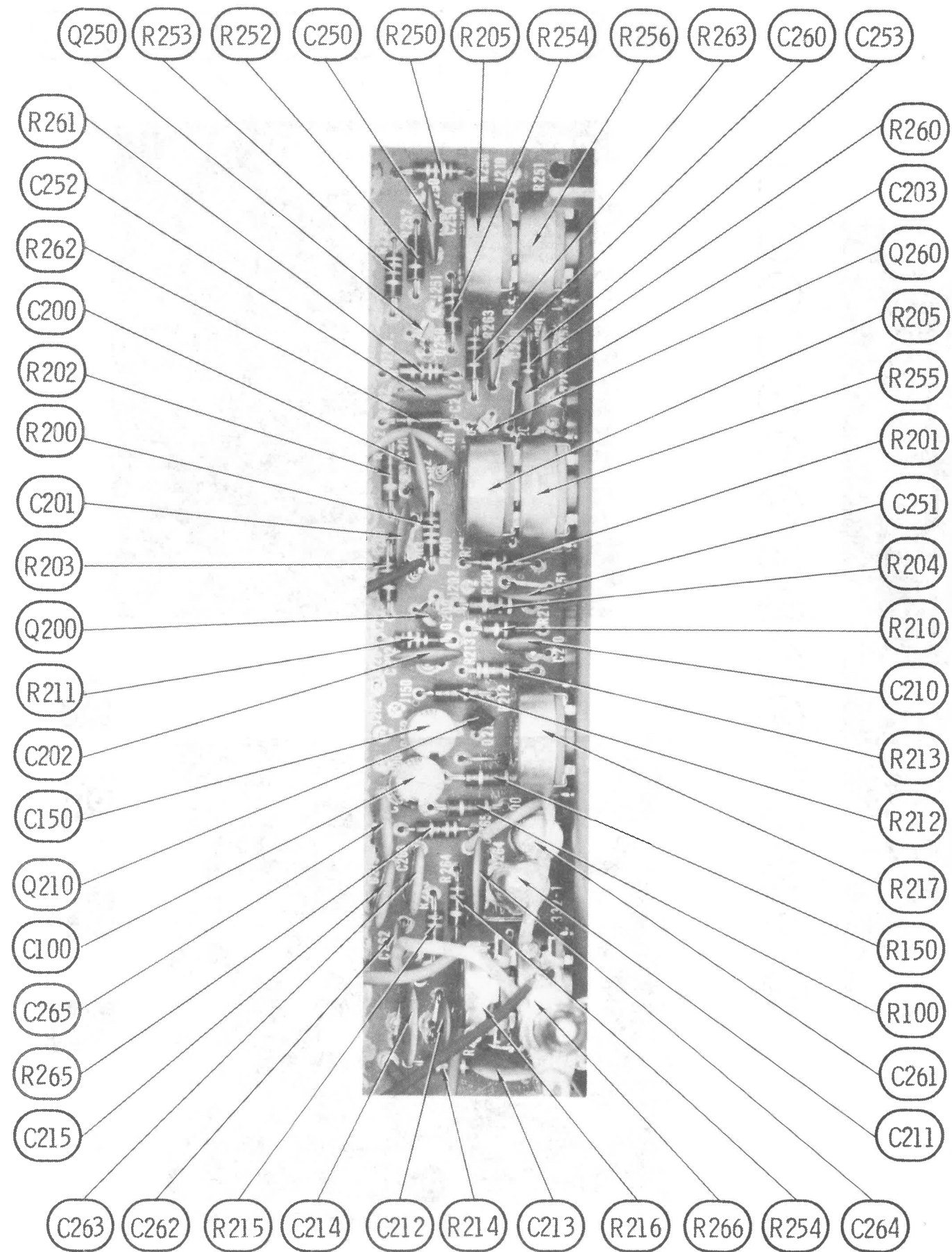


SEARS SILVERTONE MODELS 528.31203/204/206,
528.31253/254/256, 528.31303/304/305,
528.31504/506 (Series)









PARTS LIST AND DESCRIPTION (CONTINUED)

(When ordering parts, state Model, Part Number, and Description.)

PHONO CARTRIDGE & NEEDLES

ITEM No.	REPLACEMENT DATA						NOTES
	MFRG. PART No.		ASTATIC PART No.		ELECTRO-VOICE PART No.		
	CARTRIDGE	NEEDLE	CARTRIDGE	NEEDLE	CARTRIDGE	NEEDLE	
M1	57-8893D (57-88932)		167d	N64sd	198D	2624DS	
M2		57-8811D (57-88112)		N317sd		2624DS	

CABINETS & CABINET PARTS (When ordering specify model, chassis & color)

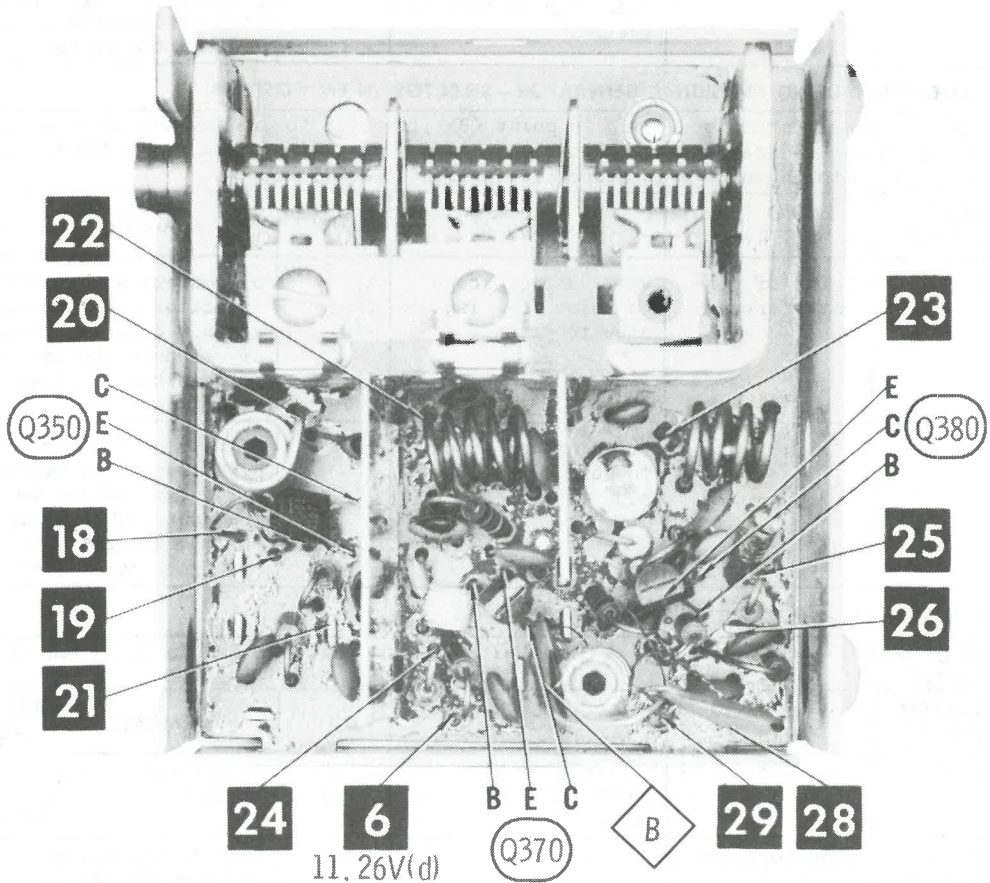
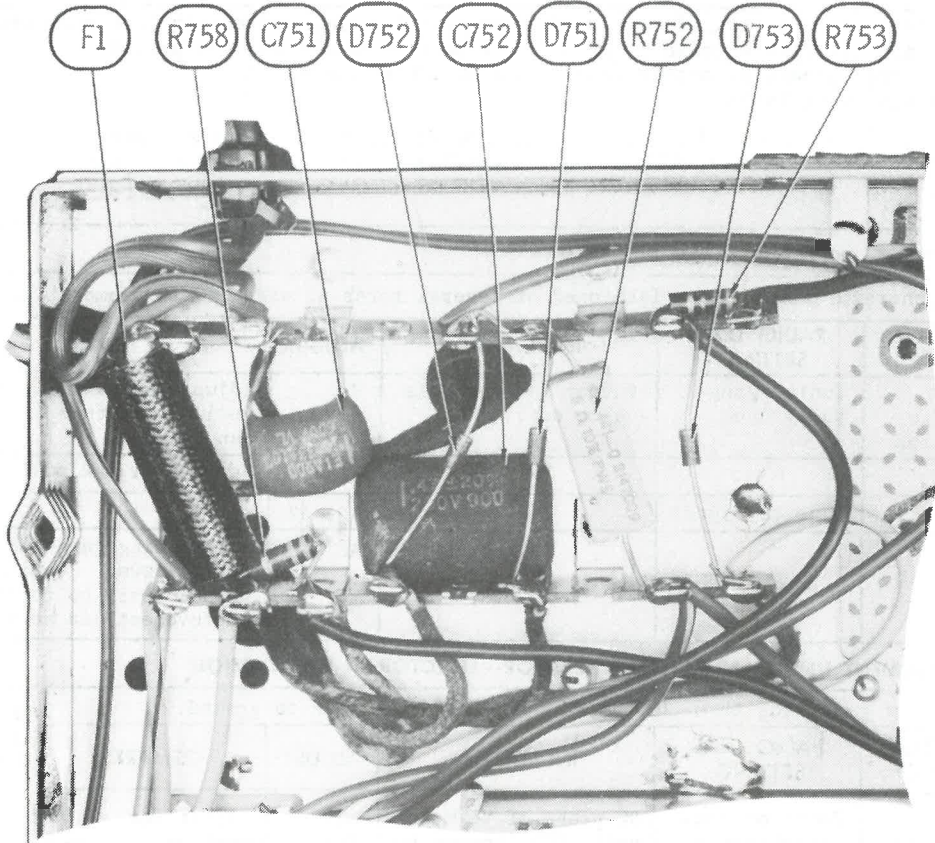
ITEM	PART No.	ITEM	PART No.
Knobs Models 528.31203000/4000/6000 528.31253000/4000/6000 (Series) Bass, Treble, Loudness Function, Selector Tuning Balance Models 528.31303000/4000/5000 (Series) Balance, Loudness, Bass, Treble Selector Tuning	52-3115-0 52-2925-0 52-3138-0 52-3118-0 52-3158-0 52-3166-0 52-3159-0	Knobs Models 528.31504000/6000 Series Balance, Loudness, Bass, Treble Selector Tuning	52-3222-0 52-3224-0 52-3223-0

MISCELLANEOUS

ITEM No.	PART NAME	PART No.	NOTES
M502 M901	Meter Motor	83-1741 90-897 59-328	Tuning Phono Used in some versions
S901	Switch	69-681-0	Mode (Mono-Stereo)
S902	Switch	69-694-0	Speakers (Internal-Both-External)
S952	Switch		Selector (Radio-Phono)
S953	Switch	69-676-0	Selector (Phono-Tape-FM-AM)
S954	Switch	69-675-0	AFC (On-Off)
S955	Switch	69-681-0	Mood (On-Off)
S971	Switch	69-600-0	Phono Power (On-Off)
	Tuner	96-279	FM (Complete)
	Idler Wheel	39-107-0	WALSCO Replacement #1499-37
	Hold Down Arm	84-21063-5	
	Tone Arm	90-908	
	Printed Circuit Board	35-18700-2	AM Tuner (Complete)
	Printed Circuit Board	35-16300-3	AM Meter (Complete)
	Printed Circuit Board	35-29800-1	FM IF (Complete)
	Printed Circuit Board	35-29801-1	FM IF Complete (Used in Models 528.31253002/4002/6002)
	Printed Circuit Board	35-22200-3	FM Multiplex (Complete)
	Printed Circuit Board	35-22201-3	FM Multiplex Complete (Models 528.31253004/4004/6004)
	Printed Circuit Board	35-22202-3	FM Multiplex (Models 528.31253005/4005/6005)
	Printed Circuit Board	35-29700-1	Amp (Complete)
	45RPM Spindle Adaptor	39-198-0	

WIRING DATA

General-use Unshielded Hook-up Wire	Use BELDEN No. 8530 (Solid) Available in 12 Colors 8524 (Stranded) Available in 12 Colors
Power Cord	Use BELDEN No. 17106 (Plastic) or 17126 (Rubber) - 6 Feet 17109 (Plastic) or 17129 (Rubber) - 9 Feet
Low-loss Shielded Lead (Interconnecting)	Use BELDEN No. 8401 or 8421
Phono Pick-up Arm Cable	Use BELDEN No. 8430 (Two Conductor-Unshielded) 8429 (Two Conductor-Shielded) 8419 (Three Conductor-Shielded)



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FOLDER 6

ALIGNMENT INSTRUCTIONS

CAUTION: Use isolation transformer or observe polarity when connecting test equipment. Maintain line voltage at 117VAC. Allow a 15-minute warm-up period. Use only enough generator output to obtain a suitable indication. Suggested Alignment Tools:


A1 Thru A7, A9, A20, A21, A22.....GENERAL CEMENT #8868, 8987, 9089
A8, A10 Thru A16, A19, A24, A25.....GENERAL CEMENT #8606, 8606L, 8869
A17, A18, A23.....GENERAL CEMENT #9296, 9297, 9300


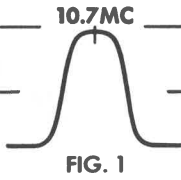

AM ALIGNMENT—SELECTOR IN AM POSITION

Connect generator across loop fashioned of several turns of wire. Set volume at maximum.


	GENERATOR FREQUENCY	RADIO DIAL SETTING	INDICATOR	ADJUST	REMARKS
1.	455KC 400 cycle modulation	Tuning gang fully open.	Output Meter across voice coil.	A1 Thru A4	Adjust for maximum. Repeat until no further improvement can be made.
2.	1640KC	"	"	A5	Adjust for maximum.
3.	1400KC	Tune to signal	"	A6, A7	"
4.	600KC	"	"	A8, A9	Rock tuning gang and adjust for maximum. Repeat steps 2 thru 4 until no further improvement can be made.



FM IF ALIGNMENT USING AM SIGNAL GENERATOR—SELECTOR IN FM POSITION

High side of generator thru .001mfd to point , low side to ground.

	GENERATOR FREQUENCY	RADIO DIAL SETTING	INDICATOR	ADJUST	REMARKS
5.	10.7MC Unmodulated	Point of non-interference	DC probe of VTVM to point  , common to ground.	A10 Thru A18	Adjust for maximum. 
6.	"	"	DC probe of VTVM to point  , common to ground.	A19	Adjust for zero reading. A positive or negative reading will be obtained on either side of the correct setting.


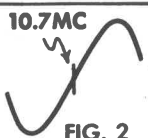
FM IF ALIGNMENT USING FM SIGNAL GENERATOR—SELECTOR IN FM POSITION

High side of generator thru .001mfd to point , low side to ground. Use only enough marker signal for indication. Use 60 cycle frequency modulated signal with 450KC sweep. Use 60 cycle sawtooth voltage in scope for horizontal deflection.

	GENERATOR FREQUENCY	RADIO DIAL SETTING	INDICATOR	ADJUST	REMARKS
5.	10.7MC 450KC Sweep	Point of non-interference	Vert. amp of scope to point  , low side to ground.	A10 Thru A18	Disconnect stabilizing capacitor C 76 . Adjust for maximum gain and symmetry of response similar to Fig.1 with marker as shown. Reconnect C 76.
6.	"	"	Vert. amp of scope to point  , low side to ground.	A19	Adjust A 19 (secondary) to place marker at center of "S" curve similar to Fig. 2. Readjust A 10 (primary) for maximum amplitude and straightness of line.

FM RF ALIGNMENT—SELECTOR IN FM POSITION

Connect generator across antenna terminals with 120-ohm carbon resistor in series with each lead.

	GENERATOR FREQUENCY	RADIO DIAL SETTING	INDICATOR	ADJUST	REMARKS
7.	108.5MC	High freq. end	DC probe of VTVM to point  , common to ground.	A20,A21, A22	Adjust for maximum. 
8.	90MC Unmodulated	Tune to signal.	"	A23	Rock tuning and adjust for maximum. Repeat steps 7 and 8 until no further improvement can be made.

PARTS LIST AND DESCRIPTION (CONTINUED)

(When ordering parts, state Model, Part Number, and Description.)

TRANSFORMER (Power)

ITEM No.	RATING		REPLACEMENT DATA				NOTES
	PRI.	SEC. 1	MFR. PART No.	STANCOR PART No.	THORDARSON PART No.	TRIAD PART No.	
T750	117VAC .18A AC	55VAC/CT @.8ADC Tap @ 5.9VAC @.165AAC	80-498-0				Models: 528.31203000 528.31204000 528.31206000 528.31253000 528.31254000 528.31256000 528.31303000 528.31304000 528.31305000 528.31504000 528.31506000
T750			80-481-0				Models: 528.31203001/2/3/4/5 528.31204001/2/3/4/5 528.31206001/2/3/4/5 528.31253001/2/3/4/5 528.31254001/2/3/4/5 528.31256001/2/3/4/5 528.31303001/2/3/4/5 528.31304001/2/3/4/5 528.31305001/2/3/4/5 528.31504001/2/3/4/5 528.31506001/2/3/4/5

SPEAKER

ITEM No.	TYPE	REPLACEMENT DATA		NOTES
		MFR. PART No.	QUAM PART No.	
SP1	8" PM, 8 ohms	33-655-4	8A31PA	Models: 528.31504000, 528.31504001, 528.31506000, 528.31506001, 528.31504002, 528.31504003, 528.31504004, 528.31504005, 528.31506002, 528.31506003, 528.31506004, 528.31506005
SP2	3 1/2" PM, 8 ohms	33-738-4		
SP3	3" PM, 8 ohms	33-728-4		
SP4	8" PM, 8 ohms	33-655-4	8A31PA	Models: 528.31203000/1/2/3/4/5, 528.31204000/1/2/3/4/5, 528.31206000/1/2/3/4/5
SP5	3 1/2" PM, 8 ohms	33-738-4		
SP6	3" PM, 8 ohms	33-728-4		
	12" PM, 8 ohms	33-675-4	12A4PA	Models: 528.31303000/1/2/3/4/5, 528.31304000/1/2/3/4/5, 528.31305000/1/2/3/4/5
	3 1/2" PM, 8 ohms (Horn)	33-706-4	30A05Z30	
	3" PM, 8 ohms	33-663-4	12A4PA	
	12" PM, 8 ohms	33-675-4		Models: 528.31253000/1/2/3/4/5, 528.31254000/1/2/3/4/5, 528.31256000
	3 1/2" PM, 8 ohms (Horn)	33-706-4		
	3" PM, 30 ohms	33-728-4	12A4PA	
	12" PM, 8 ohms	33-675-4		
	3 1/2" PM, 8 ohms (Horn)	33-706-4		
	3" PM, 30 ohms	33-663-4	30A05Z30	

FUSE DEVICES

ITEM No.	DESCRIPTION	REPLACEMENT DATA					
		PART No.		BUSS PART No.		LITTELFUSE PART No.	
		DEVICE	HOLDER	DEVICE	HOLDER	DEVICE	WORKMAN PART No.
F1	3/4A 250V Quick Acting Pigtail	43-56-0		GJV 3/4		318.750	

SEARS SILVERTONE MODELS 528.31203/204/206,
528.31253/254/256, 528.31303/304/305,
528.31504/506 (Series)

FOLDER 6

PARTS LIST AND DESCRIPTION (CONTINUED)

(When ordering parts, state Model, Part Number, and Description.)

CONTROLS (All wattages 1/2 watt, or less, unless listed)

ITEM No.	FUNCTION	RESIST-ANCE	REPLACEMENT DATA				
			MFGR. PART No.	CENTRALAB PART No.	CLAROSTAT PART No.	CTS—IRC PART No.	MALLORY PART No.
R27	AM Meter Adjust	1000	24-1069,B(1)	TSV-1K or T-100		X201R102B	MTC13L1
R68	Threshold	250	24-1071,B	TSV-250 or T-300		X201R251B	MTC251L1
R72	FM Meter Adjust	1000	24-1069,B	TSV-1K or T-1000		X201R102B	MTC13L1
R601	L-R Level Adjust	20K	24-1066,B	T-20K or TSV-25K		X201R253B	MTC24L1
R205	Bass, Left	3meg (A)	24-1082,C				
R255	Bass, Right	3meg (B)					
R206	Treble, Left	300K (A)	24-1083,C				
R256	Treble, Right	300K (B)					
R216	Loudness, Left	20K (A) tap @ 2000 & 8000	24-1139,D				
R266	Loudness, Right	20K (B) tap @ 2000 & 8000					
R217	Balance Balance	10K 10K	24-1084,C 24-1089 (2)				

(1) Not used in Models 528.31203000/1/2/3/4/5, 528.31204000/1/2/3/4/5 and 528.31206000/1/2/3/4/5.
(2) May be used in some versions.

RESISTORS (Power and Special)

ITEM No.	RATING	REPLACEMENT DATA	
		WORKMAN PART No.	MFGR. PART No.
R112	10 1/2W	CA10	64-10005
R113	Thermistor 100 Cold		61-110-1
R114	Thermistor 100 Cold		61-110-1
R120	1 1W	WS1.0	62-10921
R121	1 1W	WS1.0	62-10921
R162	10 1/2W	CA10	64-10005







ITEM No.	RATING	REPLACEMENT DATA	
		WORKMAN PART No.	MFGR. PART No.
R163	Thermistor 100 Cold		61-110-1
R164	Thermistor 100 Cold		61-110-1
R170	1 1W	WS1.0	62-10921
R171	1 1W	WS1.0	62-10921
R752	5 5W	5W-SQ-5	61-441-0
R753	6.8 1/2W	WS-6.8	64-6890-5

COILS (RF-IF)

ITEM No.	USE	REPLACEMENT DATA			
		PART No.	MEISSNER PART No.	MILLER PART No.	WORKMAN PART No.
L2	AM RF	10-43-0			
L3	AM Oscillator	10-103-4			
L51	RF Choke (.85uh)	10-28-0	19-2008	4594	T812
L53	RF Choke (.85uh)	10-28-0	19-2008	4594	T812
L54	RF Choke (.85uh)	10-28-0	19-2008	4594	T812
L351	FM RF				
L370	RF Choke (8 Turns)				
L380	FM Oscillator				
L501	Loopstick	82-307-0			
L601	RF Choke (15.8mh)	10-72-0			
L602	RF Choke (10.7mh)	10-71-0			
L603	RF Choke (15.8mh)	10-72-0			
L604	19KC Doubler	10-113-5			
L605	38KC Output	10-115-5			
T1	AM Input IF	10-207-2			
T2	AM Interstage IF	10-204-2			
T3	AM Output IF	10-205-2			
T51	FM Interstage IF	10-245-2			
T52	FM Interstage IF	10-246-2			
T53	FM Interstage IF	10-247-2			
T54	Ratio Detector	10-73-0			
T350	FM Antenna				
T374	FM Input IF				

ALIGNMENT INSTRUCTIONS (Continued)

FM STEREO MULTIPLEX ALIGNMENT USING FM STEREO SIGNAL GENERATOR (± .0001% ACCURACY)

High side of generator thru 47K to point  , low side to ground.			
GENERATOR FREQUENCY	INDICATOR	ADJUST	REMARKS
9. 67KC	Vert. amp of scope thru 47K to point  , low side to ground.		Adjust for MINIMUM
10. 19KC	Vert. amp of scope thru 47K to point  , low side to ground.	A24	Adjust for maximum.
11. "	Vert. amp of scope thru 47K to point  , low side to ground.	A25	Adjust for maximum 38KC response.
12. Modulated Left Channel	Vert. amp of scope to point  , low side to ground.	A24,A25 R601	Adjust for MINIMUM. This step should require only slight adjustment.
13. Modulated Right Channel	Vert. amp of scope to point  , low side to ground		Check for MINIMUM. If necessary make compromise adjustment of A24,A25, & R601.

MISCELLANEOUS ADJUSTMENTS

AM Meter Adjust

Adjust R27 for zero tuning meter indication with no signal.

signal cut jumper across R74.

Threshold Adjust

Tune to a weak stereo station. Adjust R68 until stereo light just glows on a weak signal but does not glow on noise pulses.

FM Meter Adjust

Adjust R72 for zero tuning meter indication with no signal.

If meter reads beyond scale when tuned to a strong

PARTS LIST AND DESCRIPTION

(When ordering parts, state Model, Part Number, and Description.)

TRANSISTORS

ITEM No.	TYPE No.	FUNCTION	REPLACEMENT DATA					
			MFGR. PART No.	GENERAL ELECTRIC PART No.	INTERNATIONAL RECTIFIER PART No.	MOTOROLA PART No.	RCA PART No.	SYLVANIA PART No.
Q1	T116	AM RF Amp	86-116-2	GE-1	TR-11	HEP253	SK3008	ECG 100
Q2	T282	AM Oscillator	86-282-2	GE-1	TR-11	HEP253	SK3008	ECG 100
Q3	T281	AM Mixer	86-281-2	GE-1	TR-11	HEP253	SK3008	ECG 100
Q4	T280	1st AM IF Amp	86-280-2	GE-9	TR-17	HEP3	SK3006	ECG 126
Q52	T449	2nd FM IF Amp	86-449-2	GE-9	TR-17	HEP3	SK3006	ECG 126
Q53	T253	3rd FM IF Amp	86-253-2	GE-9	TR-17	HEP3	SK3006	ECG 126
Q54	T253	4th FM IF Amp	86-253-2	GE-9	TR-17	HEP3	SK3006	ECG 126
Q55	T276	Stereo Switch	86-276-2	GE-21	TR-30	HEP242	SK3025	ECG 129
Q56	T185	MPX Input Amp-FM Mono Preamp	86-399-2	GE-18	TR-25	HEP243	SK3020	ECG 123A
Q57	T452	Voltage Regulator	86-452-2	GE-18	TR-25	HEP243		ECG 128
Q100	T139	AF Amp	86-143-2	GE-18	TR-25	HEP721	SK3020	ECG 123A
Q110	T422	AF Amp	86-422-2	GE-28	IRTR-55	HEP245		ECG 188
Q111	T423	AF Amp	86-423-2	GE-29	IRTR-56	HEP246		ECG 189
Q120	T370	Output	86-370-2	GE-25	TR-27	HEP235	SK3034	ECG 127
Q121	T370	Output	86-370-2	GE-25	TR-27	HEP235	SK3034	ECG 127
Q150	T139	AF Amp	86-143-2	GE-18	TR-25	HEP721	SK3020	ECG 123A
Q160	T422	AF Amp	86-422-2	GE-28	IRTR-55	HEP245		ECG 188
Q161	T423	AF Amp	86-423-2	GE-29	IRTR-56	HEP246		ECG 189
Q170	T370	Output	86-370-2	GE-25	TR-27	HEP235	SK3034	ECG 127
Q171	T370	Output	86-370-2	GE-25	TR-27	HEP235	SK3034	ECG 127
Q200	T277	AF Amp	86-277-2	GE-18	TR-24	HEP721	SK3020	ECG 123A
Q210	T277	AF Amp	86-277-2	GE-18	TR-24	HEP721	SK3020	ECG 123A
Q250	T277	AF Amp	86-277-2	GE-18	TR-24	HEP721	SK3020	ECG 123A
Q260	T277	AF Amp	86-277-2	GE-18	TR-24	HEP721	SK3020	ECG 123A
Q350	4167	FM RF Amp		GE-17	TR-21	HEP56	SK3018	ECG 108
Q370	4168	FM Mixer		GE-17	TR-21	HEP56	SK3018	ECG 108
Q380	4169	FM Oscillator		GE-17	TR-21	HEP56	SK3018	ECG 108
Q601	T255	MPX Amp-FM Mono Preamp	86-255-2	GE-20	TR-21	HEP54	SK3018	ECG 123A
Q602	T255	19KC Doubler	86-255-2	GE-20	TR-21	HEP54	SK3018	ECG 123A
Q603	T399	Indicator Control	86-399-2	GE-18	TR-25	HEP243	SK3024	ECG 128

INTEGRATED CIRCUITS

ITEM No.	FUNCTION	MFGR. PART No.	REMARKS
IC1	2nd AM IF Amp	13-11-6	SYLVANIA ECG 703
IC51	1st FM IF Amp	13-11-6	SYLVANIA ECG 703

SEARS SILVERTONE MODELS 528.31203/204/206,
528.31253/254/256, 528.31303/304/305,
528.31504/506 (Series)

PARTS LIST AND DESCRIPTION (CONTINUED)

(When ordering parts, state Model, Part Number, and Description.)

POWER RECTIFIERS & SIGNAL DIODES

ITEM No.	MFR. PART OR TYPE No.	REPLACEMENT DATA				NOTES
		GENERAL ELECTRIC PART No.	INTERNATIONAL RECTIFIER PART No.	RCA PART No.	SYLVANIA PART No.	
D1	86-64-1	1N60	1N60	1N60	ECG 109	Zener Zener
D26	86-37-1	GEZD-9.1		KD2504	ECG 139	
D52	86-65-1	GEZD-12	Z1112	KD2501	ECG 142	
D53	86-10-1	1N60	1N60	1N60	ECG 109	
D175	86-64-1	1N60	1N60	1N60	ECG 109	
D380	1S351					Varactor (6) Matched pair.
D601	86-22-1	1N60	1N60	1N60	ECG 110 (6)	
D602	86-22-1	1N60	1N60	1N60		
D603	86-22-1	1N60	1N60	1N60	ECG 110 (6)	
D604	86-22-1	1N60	1N60	1N60		
D751	86-59-3		3F20D	SK3051	ECG 156	
D752	86-59-3		3F20D	SK3051	ECG 156	
D753	86-59-3	GE-504A	8D4 or 5A4D	SK3030 or SK3031	ECG 116 or ECG 117	

ELECTROLYTIC CAPACITORS

ITEM No.	RATING		REPLACEMENT DATA					
			PART No.	AEROVOX PART No.	CENTRALAB PART No.	CORNELL-DUBILIER PART No.	GENERAL ELECTRIC PART No.	MALLORY PART No.
C18	20	10V	18-135-5	MCD-90	EP15-25	WBR25-25	MT1-10	MTV20CD50
C26	100	15V	18-145-5	MCD-180	EP15-100	WBR100-16	MT1-19	MTV100CD10
C70	3	50V	18-297-5	MCD-40	EP50-2	WBR5-50	MT1-3	MTV3CB50
C71	200	35V	18-309-5	PRS1380	EA50-250	WBR250-50	QT1-27	MTV200DN35
C76	3	50V	18-297-5	MCD-40	EP50-2	WBR5-50	MT1-3	MTV3CB50
C77	350	15V	18-317-5	PRS1390	EA15-500	BR500-16	QT1-30	MTV400DJ15
C83	3	50V	18-297-5	MCD-40	EP50-2	WBR5-50	MT1-3	MTV3CB50
C84	3	50V	18-297-5	MCD-40	EP50-2	WBR5-50	MT1-3	MTV3CB50
C100	35	6V	18-298-5	MCD-110	EP6-50	WBR35-50	MT1-15	MTV35CK50
C102	300	3V	18-299-5	MCD-220	EA6-250	WBR300-35	MT1-26	MTV300CK3
C110	25	25V	18-375-5	MCD-90	EP30-25	WBR25-25	MT1-11	MTV25CB35
C120	1000	35V	18-411-5	PRS1395	EA50-1000	BR1000-50		TC50100A
			18-304-5 (1)					TE-1130
C150	35	6V	18-298-5	MCD-110	EP6-50	WBR35-50	MT1-15	MTV35CK50
C152	300	3V	18-299-5 (2)	MCD-220	EA6-250	WBR300-35	MT1-26	MTV300CK3
C153	500	25V	18-412-5 (3)	PRS1290	EA30-500	WBR500-25	QT1-30A	TC2505B
C160	25	25V	18-375-5	MCD-90	EP30-25	WBR25-25	MT1-11	MTV25CB35
C170	1000	35V	18-411-5	PRS1395	EA50-1000	WBR1000-35		TC50100A
			18-304-5 (1)					TE-1093
C211	35	50V	18-211-5	MCD-120	EP50-50	WBR60-50	MT1-14	MTV35CK50
C261	35	50V	18-211-5	MCD-120	EP50-50	WBR60-50	MT1-14	MTV35CK50
C601	3	50V	18-297-5	MCD-40	EP50-2	WBR5-50	MT1-3	MTV3CB50
			18-197-5 (1)					TE-1302
C607	3	50V	19-297-5	MCD-40	EP50-2	WBR5-50	MT1-3	MTV3CB50
			18-197-5 (1)					TE-1302
C609	3	50V	18-297-5	MCD-40	EP50-2	WBR5-50	MT1-3	MTV3CB50
			18-197-5 (1)					TE-1302
C613	3	50V	18-297-5	MCD-40	EP50-2	WBR5-50	MT1-3	MTV3CB50
			18-197-5 (1)					TE-1302
C617	3	50V	18-297-5	MCD-40	EP50-2	WBR5-50	MT1-3	MTV3CB50
			18-197-5 (1)					TE-1302
C753a	1000	15V	18-143-3A					
b	750	50V	18-143-5					
c	1000	50V						
C952	4	50VNP	18-452-5	PRS7405		BRNP4-50	NPQT-2	TCN504
C953	4	50VNP	18-452-5	PRS7405		BRNP4-50	NPQT-2	TCN504

- (1) Alternate Part Number.
(2) Some versions may use Part #18-299-5
(3) Some versions may use Part #18-305-5

CAPACITORS

ITEM No.	RATING	REMARKS	REPLACEMENT DATA					
			AEROVOX PART No.	CENTRALAB PART No.	CORNELL-DUBILIER PART No.	ELMENCO PART No.	MALLORY PART No.	SPRAGUE PART No.
C1	Tuning Gang	#19-55-3	TTP-05	CK-503	MGP05	CCD-503	TA150	TGL-S50
C4	.05 30V		TTP-05	CK-503	MGP05	CCD-503	TA150	TGL-S50
C5	.05 30V		TTP-05	CK-503	MGP05	CCD-503	TA150	TGL-S50
C7	.05 30V		TTP-005	CK-502	MGP005	CCD-502	TA250	TG-D50
C9	.005		TTP-02	CK-203	MGP02	CCD-203	TA120	TG-S20
C10	.02		TTP-05	CK-503	MGP05	CCD-503	TA150	TGL-S50
C11	.05		TTP-05	CK-503	MGP05	CCD-503	TA150	TGL-S50
C12	.05 30V		TTP-05	CK-503	MGP05	CCD-503	TA150	TGL-S50
C13	8.2 NPO		NPO-DI 8.2		NPO8P2			10TCC-V82

PARTS LIST AND DESCRIPTION (CONTINUED)

(When ordering parts, state Model, Part Number, and Description.)

CAPACITORS (cont)

ITEM No.	RATING		REMARKS	REPLACEMENT DATA						
				AEROVOX PART No.	CENTRALAB PART No.	CORNELL-DUBILIER PART No.	ELMENCO PART No.	MALLORY PART No.	SPRAGUE PART No.	
C17	.05	30V	#12-209221-3 #12-333754-8	TTP-05	CK-503	MGP05	CCD-503	TA150	TGL-S50	
C19	.02			TTP-02	CK-203	MGP02	CCD-203	TA120	TG-S20	
C20	.05	30V		TTP-05	CK-503	MGP05	CCD-503	TA150	TGL-S50	
C37	.02			TTP-02	CK-203	MGP02	CCD-203	TA120	TG-S20	
C54	.2	10V								
C55	.02				TTP-02	CK-203	MGP02	CCD-203	TA120	TG-S20
C56	.02				TTP-02	CK-203	MGP02	CCD-203	TA120	TG-S20
C57	.02				TTP-02	CK-203	MGP02	CCD-203	TA120	TG-S20
C58	.02				TTP-02	CK-203	MGP02	CCD-203	TA120	TG-S20
C59	.02				TTP-02	CK-203	MGP02	CCD-203	TA120	TG-S20
C62	.02				TTP-02	CK-203	MGP02	CCD-203	TA120	TG-S20
C63	.02				TTP-02	CK-203	MGP02	CCD-203	TA120	TG-S20
C64	.02				TTP-02	CK-203	MGP02	CCD-203	TA120	TG-S20
C65	3.3	NPO			NPO-DI 3.3	DTZ-3R3	NPO3P3		CN0533	10TCC-V33
C66	.02				TTP-02	CK-203	MGP02	CCD-203	TA120	TG-S20
C67	.02				TTP-02	CK-203	MGP02	CCD-203	TA120	TG-S20
C68	.02				TTP-02	CK-203	MGP02	CCD-203	TA120	TG-S20
C69	330	10%			GPD X5F331K	DD-331	GP330	CCD-331	GP333	10TS-T33
C72	330	10%			GPD X5F331K	DD-331	GP330	CCD-331	GP333	10TS-T33
C73	330	10%			GPD X5F331K	DD-331	GP330	CCD-331	GP333	10TS-T33
C74	.02				TTP-02	CK-203	MGP02	CCD-203	TA120	TG-S20
C75	.02				TTP-02	CK-203	MGP02	CCD-203	TA120	TG-S20
C81	330	10%			GPD X5F331K	DD-331	GP330	CCD-331	GP333	10TS-T33
C85	2.7	NPO								10TCC-V27
C86	.033	30V								
C101	.005				TTP-005	CK-502	MGP005	CCD-502	TA250	TG-D50
C151	.005				TTP-005	CK-502	MGP005	CCD-502	TA250	TG-D50
C200	.02				TTP-02	CK-203	MGP02	CCD-203	TA120	TG-S20
C201	.05	30V			TTP-05	CK-503	MGP05	CCD-503	TA150	TGL-S50
C202	.0033				GPD X5R332K	DD-332	GP3300	CCD-332	JF233	10TS-D33
C203	.005				TTP-005	CK-502	MGP005	CCD-502	TA250	TG-D50
C210	330				GPD X5F331K	DD-331	GP330	CCD-331	GP333	10TS-T33
C212	.001				GPD X5F102K	DM-102	GP1000	CCD-102	SM210	25S-D10
C213	.2	10V								
C214	.0068				GPD X5R682K	DD-682		CCD-682	JF268	10TS-D68
C215	.2	10V								
C250	.02				GPD Z5U203P	DD-203		CCD-203	GP120	10TS-S20
C251	.05				TTP-05	CK-503	MGP05	CCD-503	TA150	TGL-S50
C252	.0033	10%			GPD X5R332K	DD-332	GP3300	CCD-332	JF233	10TS-D33
C253	.005				TTP-005	CK-502	MGP005	CCD-502	TA250	TG-D50
C260	330			GPD X5F331K	DD-331	GP330	CCD-331	GP333	10TS-T33	
C262	.001			GPD X5F102K	DD-102	GP1000	CCD-102	GP210	10TS-D10	
C263	.2	10V								
C264	.0068	10%		GPD X5R682K	DD-682		CCD-682	JF268	10TS-D68	
C265	.2									
C350	Tuning Gang									
C352	10	NPO		NPO-DI 10	DTZ-10	NP010	CCT0-100	CN0410	10TCC-Q10	
C353	5.6	NPO				NP06		CN0410	10TCC-V56	
C354	10	NPO 5%			DTZ-10	NP010		CN0410	10TCC-Q10	
C355	.01			TTP-01	CK-103	MGP01	CCD-103	TA110	TG-S10	
C356	.01			TTP-01	CK-103	MGP01	CCD-103	TA110	TG-S10	
C357	5.6	NPO				NP06		CN0412	10TCC-V56	
C359	12	NPO			TCZ-12	NP012	CCT0-120	CN0412	10TCC-Q12	
C360	.01			TTP-01	CK-103	MGP01	CCD-103	TA110	TG-S10	
C370	1.5pf									
C372	500			GPD X5F501K	DM-501	GP500	CCD-501	GP350	10TS-T50	
C373	.01			TTP-01	CK-103	MGP01	CCD-103	TA110	TG-S10	
C374	120	NPO 5%			DTZ-120			CN0312	10TCC-T12	
C375	120	NPO 5%			DTZ-120			CN0312	10TCC-T12	
C380	12	N75			TCN-12			CN7412	10TCU-Q12	
C381										
C383	.01			TTP-01	CK-103	MGP01	CCD-103	TA110	TG-S10	
C384	12									
C385	.01			TTP-01	TCZ-12	NP012	CCT0-120	CN0412	10TCC-Q12	
C386	10	NPO 5%			CK-103	MGP01	CCD-103	TA110	TG-S10	
C387	20	NPO 5%			DTZ-10	NP010		CN0410	10TCC-Q10	
C388	.01			TTP-01	DTZ-20	NP020		CN0420	10TCC-Q20	
C390	.01			TTP-01	CK-103	MGP01	CCD-103	TA110	TG-S10	
C391	15	NPO 5%		TTP-01	CK-103	MGP01	CCD-103	TA110	TG-S10	
C602	470	5%			DTZ-15	NP015	CCT0-150	CN0415	10TCC-Q15	
C603	470	5%			CPR-470J	CD15F471J500	DM-16-471	SX347	MS-347	
C604	390	5%								
C605	.001	5%			CPR-390J	CD15F391J500	DM-15-391	SX339	MS-339	
C606	100	10%			CD19F100J	CD19F102J500	DM-19-102J	SX210	424ME1001J501	
C608	.001	5%			DD-101	GP100	CCD-101	GP310	10TS-T10	
C610	.002	10%			CD19F100J	CD19F102J500	DM-19-102J	SX210	424ME1001J501	
C611	.002	10%		GPD X5F202K	DD-202	GP2000	CCD-202	GP220	10TS-D20	
C612	.0033	10%		GPD X5F202K	DD-202	GP2000	CCD-202	GP220	10TS-D20	
C614	.002	10%		GPD X5R332K	DD-332	GP3300	CCD-332	JF233	10TS-D33	
C616	.002	10%		GPD X5F202K	DD-202	GP2000	CCD-202	GP220	10TS-D20	
C615	.002	10%		GPD X5F202K	DD-202	GP2000	CCD-202	GP220	10TS-D20	
C616	.0033	10%		GPD X5R332K	DD-332	GP3300	CCD-332	JF233	10TS-D33	
C618	.02			GPD Z5U203P	DD-203		CCD-203	GP120	10TS-S20	
C751	.0033	600V 10%		DBE6033		DMF6D33	6DP-1-332	PVC6233	6PS-D33	
C752	.47	200V								
C950	.0068	10%			CPR-6800J		DM-30-682	SX268	MS-268	
C951	.0068	10%			CPR-6800J		DM-30-682	SX268	MS-268	
C970	.22	400V		DBE6P22		DPMS4P22	4DP-5-224	PVC4022	4PS-P22	